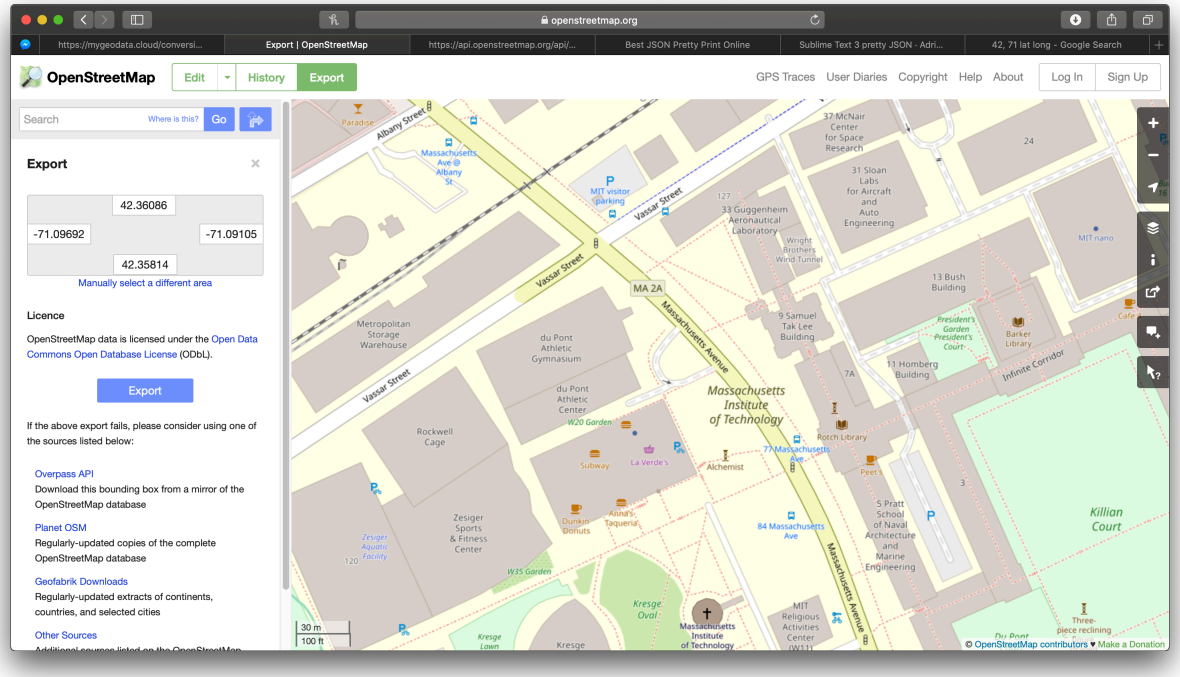
Assignment #2

Goals: Collect some OSM street data and convert it to a drawing with multiple layers of your interest. Try to tell a story through your use of color or choice of site and layers.

1. Go to OSM and export an area of interest to you. Also take a screenshot of the background and bounding box. Remember you need this info for your code too for the map! Something like this. This will give you info for your code. Export the data and save it somewhere safe. We recommend starting with a smaller area for your first project but you have freedom.



2. Some options to get your OSM data into JSON. **Remember to be patient as data downloads and converts. The bigger your data the longer it takes. You only have to do this part once.**
    1. If you want each layer of the map to be a separate JSON: Go to https://mygeodata.cloud/converter/osm-to-geojson and upload your XML file from the OSM export. This will give you a folder of layers. You can load each of there in layer by layer to do your drawing.
    2. If you want just one GeoJSON for the whole map, like how it was done in class: https://tyrasd.github.io/osmtogeojson/

3. Now you can download the Assignment2 from the Github and make your own copy on your computer. This template has some of the helper classes and a recommended structure. Your goal is to load in your data (using a parser similar to what we did in class) and draw its various components. Remember processing.org has references on JSONs. Link to template: https://github.com/irawinder/cusw-IAP19/tree/master/Assignment2

4. Try to tell a story with color and choice of site and data. You could categorize certain points if they are restaurants. You could make residential buildings a different color. Feel free to add interactivity. Try it in 3D. Whatever you want! It's all about your learning.

5. Email us if you need help!